

Bridge File: \_\_\_\_\_

**DESIGN SUMMARY**  
**(Bridge/Culvert Replacement)**

**Figure 7-2A**

Date: \_\_\_\_\_

Route: \_\_\_\_\_

Des. No. \_\_\_\_\_

Project No. \_\_\_\_\_

Over: \_\_\_\_\_

County: \_\_\_\_\_

Federal Oversight: Yes      No      Click on appropriate box.

**Location and Project Description**

This project involves the replacement of the subject bridge located about \_\_\_\_\_ of \_\_\_\_\_.

The proposed project will replace the existing structure on essentially the same horizontal and vertical alignment with a bridge featuring modern safety and structural standards. The new structure will be a continuous \_\_\_\_\_ bridge with spans of \_\_\_\_\_ and a clear roadway of \_\_\_\_\_. The project length will be \_\_\_\_\_ with \_\_\_\_\_ of incidental construction on the \_\_\_\_\_ end and \_\_\_\_\_ on the \_\_\_\_\_ end.

Additional Discussion:

Address significant county road relocations, less-than-desirable intersection sight distance, underground storage tanks, channel relocation, clearing of wooded or forested areas, significant historical or archaeological considerations, sidewalks, and design exceptions.

Bridge File: \_\_\_\_\_

### **Need for Improvement**

Describe why the bridge is being replaced; i.e., existing structure condition, flooding considerations, substandard geometrics, accidents, etc. Discuss accident history in this section whether it is a problem or not.

### **Prior Studies and Considerations**

Categorical Exclusion Approval Date: \_\_\_\_\_

Additional Information Approval Date: \_\_\_\_\_

Preliminary Field Check Date: \_\_\_\_\_

Environmental Review Meeting Date: \_\_\_\_\_

Environmental Permit Required

Date Received

\_\_\_\_\_  
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\_\_\_\_\_

If not received yet, enter Pending.

The proposed design is consistent with the approved environmental documentation.

### **Design Data**

Project Design Criteria: \_\_\_\_\_

Functional Classification: \_\_\_\_\_

Terrain: \_\_\_\_\_

Design Speed: \_\_\_\_\_

Posted Speed: \_\_\_\_\_

Access Control: \_\_\_\_\_

Number of Lanes and Width: \_\_\_\_\_

Bridge File: \_\_\_\_\_

Shoulders (Width and Material): \_\_\_\_\_

Maximum Right-of-Way Width: \_\_\_\_\_

Typical Right-of-Way Width: \_\_\_\_\_

Structure Clear Roadway Width: \_\_\_\_\_

### **Traffic Data**

AADT (20\_\_): \_\_\_\_\_ VPD

AADT (20\_\_): \_\_\_\_\_ VPD

DHV (20\_\_): \_\_\_\_\_ VPH

Comm. Veh.: \_\_\_\_\_ %DHV

\_\_\_\_\_ %AADT

### **Description of Right-of-Way**

The proposed project will require an additional \_\_\_\_\_ of permanent right-of-way. A total additional \_\_\_\_\_ of temporary right-of-way will be required from the properties as follows:

Parcel	Property Owner(s)	Station	Offset
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Relocations of businesses or residents will be required of the properties as follows:

Parcel	Property Owner(s)	Station	Offset
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### **Estimated Costs**

	Year: _____	Year: _____
Preliminary Engineering:	\$ _____	\$ _____
Right-of-Way:	_____	_____
Construction:	_____	_____
Total Cost:	\$ _____	\$ _____

Bridge File: \_\_\_\_\_

**Maintenance of Traffic During Construction** Click on one box for each statement.

Yes No An official detour over State routes would use portions of \_\_\_\_\_ and \_\_\_\_\_, adding \_\_\_\_\_ to a through trip. Local routes could be used by local traffic adding \_\_\_\_\_ to a through trip. Delay to emergency and public services would be about \_\_\_\_\_ minutes using the detours. The cost to the public to use the detours would be \$\_\_\_\_\_, assuming \_\_\_\_\_% use the local detour, or \_\_\_\_\_ AADT, during a \_\_\_\_\_ day detour, and \$\_\_\_\_\_ per \_\_\_\_\_ user cost.

Yes No A temporary bridge and runaround is estimated to cost \$\_\_\_\_\_. A temporary bridge (or pipe) and runaround will be used because the user costs for detours exceed the cost of the temporary runaround.

**Mitigation Measures**

The following project-specific mitigation measures are required.  
Click on one box for each statement.

Yes No Woody revegetation will be placed in specific areas.

Yes No “Do Not Mow or Spray” signs will be posted along the right-of-way.

Yes No “Do Not Spray” signs will be posted along the right-of-way, since legume seed mixture will be used.

Other Specific Mitigation Measures:

Add any other appropriate items, e.g., date restrictions on tree clearing or channel excavation.

**Public Involvement**

No views or opinions other than those of the officials of the highway organizations and the affiliated workers have been expressed in this report. Click on one box for each statement.

Bridge File: \_\_\_\_\_

Yes    No    An opportunity for a public hearing will be offered through advertising in local newspapers. Any opinions or comments received by the published deadline will be added to this report.

Yes    No    A public hearing will be scheduled. Any comments received at the public hearing will be added to this report including their resolutions.

\_\_\_\_\_  
Design Engineer

\_\_\_\_\_ : \_\_\_\_\_

Attachments: Click on one box for each statement.

Yes    No    Field Check Report

Yes    No    Fish and Wildlife Meeting Report

Yes    No    Public Hearing Transcript

Yes    No    Public Hearing Comments and Resolutions